

Product Information

Recombinant Anti-Human SOST Antibody Fab Fragment

Cat. No.: **MOM-18115-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment is against Human SOST, expressed in E. coli

Antigen Description

Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease.

Specific Activity

Tested positive against native antigen.

Target

SOST

Immunogen

The details of the immunogen for this antibody are not available.

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Fab Fragment based on Humanized (from mouse) IgG4 - kappa

Expression Host

E. coli

Predicted N terminal

H chain: QVQLVQS; L Chain: DIQMTQS

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[SOST sclerostin \[Homo sapiens \]](#)

Official Symbol

SOST

Synonyms

SOST; sclerostin; sclerosteosis; VBCH;

Gene ID

[50964](#)

mRNA Refseq

[NM_025237](#)

Protein Refseq

[NP_079513](#)

MIM

[605740](#)

UniProt ID

Q9BQB4

Chromosome Location

17q12-q21

Function

heparin binding; protein binding; transcription factor binding;